Table ENG-4. - Building Site Development

Lee County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and convanie	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Allegheny	95	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action Flooding	0.50 0.40				
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone Frost action	1.00	zone Ponding	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00
		riodanig	1.00	1 looding	0.00	1 onding	1.00
1B:							
Allegheny	95	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
		Flooding	0.40				
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone	4.00	zone	4.00	Depth to saturated	1.00
		Frost action	1.00	Ponding	1.00	zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00
2D:							
Alticrest	70	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Cutbanks cave	1.00	Droughty	0.08
Gilpin	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to soft bedrock	0.54	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
3E:							
Beech Grove	55	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Slope	1.00
Rock outcrop	35	Not Rated		Not Rated		Not Rated	

4E:

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4E:	•						
Berks	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock Frost action	0.54 0.50	Slope Cutbanks cave	1.00 0.10	Droughty Depth to bedrock	0.97 0.54
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.13		
		Low strength	1.00	Cutbanks cave	0.10		
4F:							
Berks	60	Very limited	4.00	Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock Frost action	0.54 0.50	Slope Cutbanks cave	1.00 0.10	Droughty Depth to bedrock	0.97 0.54
Poplimento	30	Very limited		Very limited		Very limited	
·		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.13		
		Low strength	1.00	Cutbanks cave	0.10		
5D:							
Berks	55	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Slope Depth to hard bedrock	1.00 0.54	Depth to hard bedrock Slope	1.00 1.00	Slope Droughty	1.00 0.97
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
Weikert	35	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
5E:							
Berks	55	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Slope Depth to hard bedrock	1.00 0.54	Depth to hard bedrock Slope	1.00 1.00	Slope Droughty	1.00 0.97
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
Weikert	35	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
5F:	EE	Vorulimited		Varylimited		Vanclimitad	
Berks	55	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Slope	1.00 0.54	Depth to hard bedrock	1.00 1.00	Slope	1.00 0.97
		Depth to hard bedrock Frost action	0.54	Slope Cutbanks cave	0.10	Droughty Depth to bedrock	0.97
		i 103t action	0.50	Gulbanks Cave	0.10	Deptil to bedlock	0.54



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Soil Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5F:							
Weikert	35	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
6E:							
Bethesda	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.93
						Gravel content	0.12
Fairpoint	20	Very limited		Very limited		Very limited	
· P·		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Gravel content	0.01
		Frost action	0.50			Content of large stones	<0.01
Sewell	15	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding Depth to saturated	1.00 1.00
		Frost action	1.00	Ponding	1.00	zone	
		Flooding	1.00	Flooding	0.80	Ponding	1.00
7C:							
Carbo	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.63
		Depth to hard bedrock	0.64	Slope	0.63	Droughty	0.01
7D:							
Carbo	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
8C:							
Carbo	75	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.63
		Depth to hard bedrock	0.64	Slope	0.63	Droughty	0.01

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and con Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8C:	•						· •
Beech Grove	20	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope Frost action	0.63 0.50	Slope Cutbanks cave	0.63 0.10	Droughty Slope	1.00 0.63
8D:							
Carbo	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
Beech Grove	20	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
8E:							
Carbo	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
Beech Grove	30	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
9C:							
Carbo	80	Very limited		Very limited		Somewhat limited	
		Low strength Shrink-swell	1.00 1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65 0.63
		Depth to hard bedrock	0.64	Too clayey Slope	1.00 0.63	Slope Droughty	0.63
_		·	0.04		0.03	0 ,	0.01
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
9D:							
Carbo	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
9E:							
Carbo	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and don Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9E:	<u> </u>						
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
10A:							
Chagrin	70	Very limited		Somewhat limited		Somewhat limited	
		Flooding Frost action	1.00 0.50	Depth to saturated zone	0.61	Flooding	0.60
		Trost action	0.50	Flooding	0.60		
				Cutbanks cave	0.10		
Lobdell	25	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated	1.00	Flooding	0.60
		Flooding	1.00	zone	0.60	Depth to saturated	0.19
		Depth to saturated zone	0.19	Flooding Cutbanks cave	0.60 0.10	zone	
Holly	1	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding Depth to saturated	1.00 1.00
		Frost action	1.00	Ponding	1.00	zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00
11B:							
Escatawba	70	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
				Cutbanks cave	0.10		
Jefferson	25	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Frost action	0.50				
11C:							
Escatawba	60	Somewhat limited		Very limited		Somewhat limited	
		Slope Frost action	0.63 0.50	Depth to saturated zone	1.00	Slope	0.63
		1 103t action	0.50	Slope	0.63		
				Cutbanks cave	0.10		
Jefferson	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.63
		Slope	0.63	Slope	0.63		
		Frost action	0.50				
12B:							
Frederick	95	Very limited		Very limited		Somewhat limited	_
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength Frost action	1.00 0.50	Cutbanks cave	0.10		
400							
12C:							

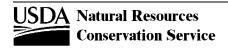


Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and Son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12C:							
Frederick	95	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength Frost action	1.00 0.50	Slope Cutbanks cave	0.37 0.10	Slope	0.37
12D:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Cutbanks cave	0.10		
12E:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Cutbanks cave	0.10		
12F:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Cutbanks cave	0.10		
13B:							
Frederick	95	Very limited		Very limited		Not limited	
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength Frost action	1.00 0.50	Cutbanks cave	0.10		
		FIOST ACTION	0.50				
13C:	95	Varylimitad		Varylimited		Somewhat limited	
Frederick	95	Very limited	4.00	Very limited	4.00		0.07
		Shrink-swell Low strength	1.00 1.00	Too clayey Slope	1.00 0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.37		
13D:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
13E:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	•	
		Low strength	1.00	Cutbanks cave	0.10		
13F:							



and Soil Name				Excavations		Landscaping	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13F:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
14B:							
Frederick	95	Very limited		Very limited		Not limited	
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
14C:							
Frederick	95	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Low strength	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
14D:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
14E:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
15C:							
Frederick	70	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Low strength	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Carbo	20	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Depth to hard bedrock	0.64	Slope	0.37	Droughty	0.01
15D:							
Frederick	70	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and don Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15D:							
Carbo	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength Shrink-swell	1.00 1.00	Slope	1.00 1.00	Depth to bedrock	0.65
		Smirk-sweii	1.00	Too clayey	1.00	Droughty	0.01
15E:							
Frederick	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
Carbo	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
15F:							
Frederick	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
Carbo	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.01
16C:							
Gilpin	90	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Depth to soft bedrock	0.54	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
16D:							
Gilpin	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to soft bedrock	0.54	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
16E:							
Gilpin	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to soft bedrock	0.54	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
17D:							



		Lawns and Landscaping		Shallow Excavations		Local Roads and Streets	Pct of	Map Symbol and Soil Name
Silope	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features		and Soli Name
Slope								7D:
		Very limited		Very limited		Very limited	80	Gilpin
Berks	1.00	Slope	1.00	Slope	1.00	Slope		
Berks	0.54	Depth to bedrock		Depth to soft bedrock		<u> </u>		
Slope			0.10	Cutbanks cave	0.50	Frost action		
Depth to hard bedrock Frost action Cutbanks cave Cutbanks cave Cutbanks cave Depth to bedrock Frost action Cutbanks cave Cutbanks cave Cutbanks cave Cutbanks cave Cutbanks cave Cutbanks cave Frost action Cutbanks cave		Very limited		Very limited		Very limited	15	Berks
Frost action	1.00	Slope	1.00	Depth to hard bedrock	1.00	Slope		
17E: Gilpin 70 Very limited	0.97	Droughty	1.00	Slope	0.54	Depth to hard bedrock		
Gilpin	0.54	Depth to bedrock	0.10	Cutbanks cave	0.50	Frost action		
Gilpin								7F·
Berks 25 Very limited Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 17F: Gilpin 60 Very limited Very limited Very limited Very limited Slope 1.00 Slope Low strength 1.00 Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 0.54 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Berks 35 Very limited Very limited Very limited Very limited Slope 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Incomplete Incomplet		Very limited		Very limited		Very limited	70	
Berks 25 Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 17F: Gilpin 60 Very limited Very limited Very limited Very limited Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 0.54 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Berks 35 Very limited Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 0.54 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Berks 35 Very limited Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Depth to saturated 2.00 Depth to 3.00 Depth to	1.00	Slope	1.00	Slope	1.00	Slope		
Berks 25 Very limited Slope Depth to hard bedrock Slope Depth to hard bedrock Frost action 1.00 Depth to hard bedrock Frost action 0.50 Cutbanks cave 1.00 Depth to soft bedrock Slope Low strength 1.00 Depth to soft bedrock Frost action 1.00 Depth to soft bedrock Depth to bedrock 1.00 Depth to soft bedrock Depth to bedrock Frost action 1.00 Depth to soft bedrock Depth to soft bedrock Depth to bedrock Depth to hard bedrock Depth to bedrock Depth to bedrock Depth to bedrock Depth to hard bedrock Depth to bedroc	0.54	Depth to bedrock	0.54	Depth to soft bedrock	1.00	Low strength		
Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 1.7F: Gilpin 60 Very limited Slope 1.00 Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 1.00 Depth to bedrock 1.00 Depth to soft bedrock 1.00 Slope 1.00 Slope 1.00 Slope 1.00 Slope 1.00 Depth to soft bedrock 1.00 Depth to bedrock 1.00 Depth to bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Depth to hard bedrock 1.00 Depth to bedrock 1.00 Depth to hard bedrock 1.00 Depth to			0.10	Cutbanks cave	0.50	Frost action		
Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 1.7F: Gilpin 60 Very limited Slope 1.00 Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 1.00 Depth to bedrock 1.00 Depth to soft bedrock 1.00 Slope 1.00 Slope 1.00 Slope 1.00 Slope 1.00 Depth to soft bedrock 1.00 Depth to bedrock 1.00 Depth to bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Slope 1.00 Depth to hard bedrock 1.00 Depth to hard bedrock 1.00 Depth to bedrock 1.00 Depth to hard bedrock 1.00 Depth to		Very limited		Very limited		Very limited	25	Berks
Depth to hard bedrock Frost action 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 17F: Gilpin 60 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 0.54 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Berks 35 Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Very limited Depth to saturated 2.00 Depth to saturated 2.00 Depth to saturated 2.00 Epth to Saturated 2.	1.00	•	1.00		1.00	=		
Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 17F: Gilpin 60 Very limited Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope Low strength 1.00 Depth to soft bedrock 0.54 Depth to bedrock Frost action 0.50 Cutbanks cave 0.10 Berks 35 Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Depth to saturated 2000 Depth 1.00 Zone Ponding 1.00 Zone Ponding	0.97	•				•		
Gilpin 60 Very limited Slope Low strength Frost action 80 Very limited Very limit	0.54	Depth to bedrock	0.10	Cutbanks cave	0.50	Frost action		
Gilpin 60 Very limited Slope Low strength Frost action 80 Very limited Very limit								7F:
Berks 35 Very limited Slope Depth to hard bedrock Frost action 1.00 Depth to soft bedrock Cutbanks cave 0.10 Very limited Very limited Very limited Slope Depth to hard bedrock Frost action 0.54 Depth to hard bedrock 1.00 Slope Depth to hard bedrock Frost action 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Depth to saturated Zone Zone Frost action 1.00 Ponding 1.00 Zone Flooding 0.80 Ponding		Very limited		Very limited		Very limited	60	
Berks 35 Very limited Very limited Very limited Very limited Slope 1.00 Depth to hard bedrock 1.00 Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Depth to saturated 200 Depth to saturated 200 Depth to saturated 200 Epoph Epo	1.00	Slope	1.00	Slope	1.00	Slope		
Berks 35 Very limited	0.54	Depth to bedrock	0.54	Depth to soft bedrock	1.00	Low strength		
Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Depth to saturated Zone Zone Frost action 1.00 Ponding 1.00 Zone Flooding 1.00 Flooding 0.80 Ponding			0.10	Cutbanks cave	0.50	Frost action		
Slope Depth to hard bedrock 0.54 Slope 1.00 Droughty Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Very limited Depth to saturated Zone Zone Frost action 1.00 Ponding 1.00 Zone Flooding 1.00 Flooding 0.80 Ponding		Very limited		Very limited		Very limited	35	Berks
Depth to hard bedrock	1.00	-	1.00	•	1.00	=		
Frost action 0.50 Cutbanks cave 0.10 Depth to bedrock 18A: Holly 95 Very limited Very limited Very limited Depth to saturated 1.00 Depth to saturated 200 Ponding 200 Pondi	0.97					•		
Holly 95 Very limited Very limited Very limited Very limited Depth to saturated 200 Depth to saturated 200 Epoth 200 Epoth to saturated 200 Epoth to saturated 200 Epoth 200	0.54	Depth to bedrock	0.10	Cutbanks cave	0.50	Frost action		
Holly 95 Very limited Very limited Very limited Very limited Depth to saturated 200 Depth to saturated 200 Epoth 200 Epoth to saturated 200 Epoth to saturated 200 Epoth 200								8A:
zone zone Depth to saturated Frost action 1.00 Ponding 1.00 zone Flooding 1.00 Flooding 0.80 Ponding		Very limited		Very limited		Very limited	95	Holly
Frost action 1.00 Ponding 1.00 zone Flooding 1.00 Flooding 0.80 Ponding	1.00	Flooding	1.00	•	1.00			
Flooding 1.00 Flooding 0.80 Ponding	1.00	•						
				•				
19E·	1.00	Ponding	0.80	Flooding	1.00	Flooding		
101.								9E:
Itmann 95 Very limited Very limited Very limited		Very limited		Very limited		Very limited	95	Itmann
Slope 1.00 Slope 1.00 Gravel content	1.00			Slope		Slope		
Frost action 0.50 Cutbanks cave 0.10 Droughty	1.00		0.10	Cutbanks cave	0.50	Frost action		
Slope	1.00	Slope						
20D:								.OD:

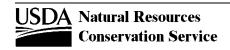


Map Symbol and Soil Name	Pct and Streets of Map		Shallow Excavations		Lawns and Landscaping		
and con Name	Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20D:							I
Jefferson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength Frost action	1.00 0.50	Cutbanks cave	1.00		
21A:							
Lobdell	65	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated	1.00	Flooding	0.60
		Flooding	1.00	zone Flooding	0.60	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Cutbanks cave	0.00	zone	
Orrville	30	Very limited		Very limited		Very limited	
		Frost action Flooding	1.00 1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding Cutbanks cave	0.60 0.10	Flooding	0.60
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding Depth to saturated	1.00 1.00
		Frost action	1.00	Ponding	1.00	zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00
22C:							
Oriskany	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Content of large stones	0.50	Content of large stones	0.50	Content of large stones	0.32
		Frost action	0.50	Cutbanks cave	0.10		
22E:							
Oriskany	90	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Slope Content of large	1.00 0.50	Slope Content of large	1.00 0.50		1.00 0.32
		stones Frost action	0.50	stones Cutbanks cave	0.10	stones	
23A:							
Philo	95	Very limited		Very limited		Somewhat limited	
		Frost action Flooding	1.00 1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Flooding Cutbanks cave	0.60 0.10	Flooding	0.60
Holly	1	Very limited		Very limited		Very limited	
,		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone Frost action	1.00	zone Ponding	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00

Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and doil Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24D:							
Pineville	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty Gravel content	0.04 <0.01
24E:							
Pineville	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty Gravel content	0.04 <0.01
25:							
Pits, quarries	95	Not Rated		Not Rated		Not Rated	
26A:							
Pope	95	Very limited		Somewhat limited		Somewhat limited	
		Flooding Frost action	1.00 0.50	Flooding Cutbanks cave	0.60 0.10	Flooding	0.60
27D:							
Poplimento	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.13		
		Low strength	1.00	Cutbanks cave	0.10		
Berks	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Droughty	0.97
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
27E:	00	Many Horitand		Many Backs d		Many Markad	
Poplimento	60	Very limited	4.00	Very limited	4.00	Very limited	4.00
		Slope Shrink-swell	1.00 1.00	Slope	1.00 0.13	Slope	1.00
		Low strength	1.00	Too clayey Cutbanks cave	0.13		
Berks	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Droughty	0.97
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
28B:							
Shottower	95	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Too clayey	0.50		
		Frost action	0.50	Cutbanks cave	0.10		
28C:							



Map Symbol and Soil Name	Pct of	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
and don Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28C:	•						
Shottower	95	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell Frost action	0.50 0.50	Too clayey Cutbanks cave	0.50 0.10		
28D:							
Shottower	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Too clayey	0.50		
		Frost action	0.50	Cutbanks cave	0.10		
29B:							
Timberville	90	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Low strength	0.78	Cutbanks cave	0.10		
		Frost action	0.50				
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Frost action	1.00	Ponding	1.00	zone	
		Flooding	1.00	Flooding	0.80	Ponding	1.00
29C:							
Timberville	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Slope	0.37	Slope	0.37
		Frost action Slope	0.50 0.37	Cutbanks cave	0.10		
Holly	1	Very limited		Very limited		Very limited	
,		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Frost action	1.00	Ponding	1.00	zone	
		Flooding	1.00	Flooding	0.80	Ponding	1.00
30C:							
Tumbling	90	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Slope Too clayey	0.37 0.13		
200.				. 55 5.2,5,	0.10		
30D: Tumbling	90	Very limited		Very limited		Very limited	
Turnoming	90		1.00	Slope	1.00	Slope	1.00
		Slope Frost action	0.50	Cutbanks cave	1.00	Siope	1.00
		i iost action	0.50	Too clayey	0.13		
040				, ,			
31C:							



Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31C:							
Tumbling	90	Somewhat limited Frost action Slope	0.50 0.37	Very limited Cutbanks cave Slope Too clayey	1.00 0.37 0.13	Somewhat limited Slope	0.37
31D:							
Tumbling	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.13	Very limited Slope	1.00
31E:							
Tumbling	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.13	Very limited Slope	1.00
32:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
Holly	1	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00
33:							
Urban land	70	Not Rated		Not Rated		Not Rated	
Udorthents	20	Not Rated		Not Rated		Not Rated	
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding Depth to saturated	1.00 1.00
		Frost action Flooding	1.00 1.00	Ponding Flooding	1.00 0.80	zone Ponding	1.00
34D:							
Wallen	55	Very limited Slope Depth to hard bedrock Frost action	1.00 0.79 0.50	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Droughty Depth to bedrock	1.00 0.89 0.80
			0.50		1.00		0.00
Alticrest	35	Very limited Slope Frost action Depth to hard bedrock	1.00 0.50 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Depth to bedrock Droughty	1.00 0.46 0.08
34E:							



Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
34E:							
Wallen	55	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.79	Slope	1.00	Droughty	0.89
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.80
Alticrest	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Cutbanks cave	1.00	Droughty	0.08
35F:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.79	Slope	1.00	Droughty	0.89
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.80
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
36C:							
Watahala	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.68
		Slope	0.37	Too clayey	0.88	Slope	0.37
				Slope	0.37		
Frederick	20	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
36D:							
Watahala	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.68
				Too clayey	0.88		
Frederick	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Cutbanks cave	0.10		
36E:							
Watahala	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.68

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
36E:		•					
Frederick	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	0.68
		Low strength	1.00	Cutbanks cave	0.10		
W:							
Water	100	Not Rated		Not Rated		Not Rated	